

PRODUCT DESCRIPTION

DURA♦SKRIM® N45BT2 is a textured flexible geomembrane, reinforced with a closely knit 9x9 weft inserted polyester scrim fully encapsulated between two layers of highly UV stabilized linear low density polyethylene. Exceptional toughness, high tensile and puncture strength is achieved with the combination of premium high strength LLDPE and dense scrim reinforcement. A highly stabilized formulation consisting of antioxidants, UV stabilizers and carbon black provide excellent protection for long-term exposed or barrier applications.

DURA♦SKRIM® N45BT2 contains a cast texture surface produced with Raven's exclusive GeoGrip™ technology. The GeoGrip™ texture is made up of durable random spikes and diamond shaped bidirectional bars for unmatched uniform stabilization and support. DURA♦SKRIM® NT-Series geomembranes are produced in the color black as standard, and are available in other custom manufactured colors with minimum order quantity requirements.

PRODUCT USE

DURA♦SKRIM® textured NT-Series are used for applications that require an anti-skid surface or to provide a high friction surface between unlike soil types and geosynthetic materials for steeper slope designs depending upon application requirements. Common applications include landfill caps, mining leach pads and containment ponds. DURA♦SKRIM® N45BT2 is used in applications that require exceptional outdoor life, high tear properties, exceptional tensile strength, and puncture resistance. DURA♦SKRIM® NT-Series is manufactured from a very chemical-resistant, linear-low-density polyethylene with excellent cold crack performance and resistance to thermal expansion.

DURA♦SKRIM® N45BT2 meets the physical property values as stated in GRI test method GM25, and is certified under the NSF/ANSI Standard 61, Drinking Water System Components – Health Effects.

SIZE & PACKAGING

DURA♦SKRIM® NT-Series is available in a variety of widths and lengths to meet the project requirements. Large diameter mill rolls are available to assure an efficient seaming process. Factory welded panels are produced in a controlled environment and are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time saving installation.



Containment Liner

PRODUCT

PART

DURA♦SKRIM N45BT2

APPLICATIONS

- | | |
|-------------------------|-------------------------|
| Waste Lagoon Liners | Heap Leach Liners |
| Landfill Caps | Tunnel Liners |
| Canal Liners | Earthen Liners |
| Disposal Pit Liners | Interim Landfill Covers |
| Water Containment Ponds | Mining Tailing Ponds |



DURA♦SKRIM® N45BT2

SCRIM REINFORCED POLYETHYLENE – NSF/ANSI STANDARD 61 CERTIFIED

PRO-FORMA DATA SHEET

| | | DURA♦SKRIM® N45BT2 | | | |
|-------------------------------------|--------------------------|-------------------------------------|---------------------|----------------------|-----------------------|
| | | IMPERIAL | | METRIC | |
| PROPERTIES | TEST METHOD | MINIMUM | TYPICAL | MINIMUM | TYPICAL |
| APPEARANCE | | Black 2-Side Texture | | Black 2-Side Texture | |
| CORE THICKNESS | ASTM D5994 | 39 mil | 43 mil | 0.99 mm | 1.09 mm |
| ASPERITY HEIGHT | ASTM D7466 | 16 mil | 22 mil | 0.41 mm | 0.56 |
| WEIGHT | ASTM D751 | 200 lbf/msf | 225 lbf/msf | 976 g/m ² | 1098 g/m ² |
| CONSTRUCTION | | Dense scrim reinforced polyethylene | | | |
| TONGUE TEAR STRENGTH | ASTM D5884 | 100 lbf | 135 lbf | 445 N | 601 N |
| GRAB TENSILE AT BREAK | ASTM D7004 | 275 lbf | 350 lbf | 1223 N | 1557 N |
| TENSILE ELONGATION AT BREAK | ASTM D7004 | 22 % | 30 % | 22 % | 30 % |
| PUNCTURE RESISTANCE | ASTM D4833 | 108 lbf | 125 lbf | 480 N | 556 N |
| STANDARD OIT OR HIGH PRESSURE HPOIT | ASTM D3895 ASTM D5885 | 100 min 400 min | 150 min 2400 min | 100 min 400 min | 150 min 2400 min |
| HYDRAULIC CONDUCTIVITY | | 1.47 x 10 ⁻¹⁰ cm/sec | | | |
| MAXIMUM STATIC USE TEMPERATURE | | 180° F | | 82° C | |
| MINIMUM STATIC USE TEMPERATURE | | -70° F | | -57° C | |

PRO-FORMA SHEET CONTENTS: The data listed in the Pro-Forma data sheet is representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.



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Scan QR Code to download technical data sheets.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.ravenefd.com

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